

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSPTANXR1625

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	DEC 05	CASREACT(R) - Over 10 million reactions available
NEWS	4	DEC 14	2006 MeSH terms loaded in MEDLINE/LMEDLINE
NEWS	5	DEC 14	2006 MeSH terms loaded for MEDLINE file segment of TOXCENTER
NEWS	6	DEC 14	CA/CAPLUS to be enhanced with updated IPC codes
NEWS	7	DEC 21	IPC search and display fields enhanced in CA/CAPLUS with the IPC reform
NEWS	8	DEC 23	New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/USPAT2
NEWS	9	JAN 13	IPC 8 searching in IFIPAT, IFIUDb, and IFICDB
NEWS	10	JAN 13	New IPC 8 SEARCH, DISPLAY, and SELECT enhancements added to INPADOC
NEWS	11	JAN 17	Pre-1988 INPI data added to MARPAT
NEWS	12	JAN 17	IPC 8 in the WPI family of databases including WPIFV
NEWS	13	JAN 30	Saved answer limit increased
NEWS	14	JAN 31	Monthly current-awareness alert (SDI) frequency added to TULSA
NEWS	15	FEB 21	STN AnaVist, Version 1.1, lets you share your STN AnaVist visualization results
NEWS	16	FEB 22	Status of current WO (PCT) information on STN
NEWS	17	FEB 22	The IPC thesaurus added to additional patent databases on STN
NEWS	18	FEB 22	Updates in EPFULL; IPC 8 enhancements added
NEWS	19	FEB 27	New STN AnaVist pricing effective March 1, 2006
NEWS	20	FEB 28	MEDLINE/LMEDLINE reload improves functionality
NEWS	21	FEB 28	TOXCENTER reloaded with enhancements
NEWS	22	FEB 28	REGISTRY/ZREGISTRY enhanced with more experimental spectral property data
NEWS	23	MAR 01	INSPEC reloaded and enhanced
NEWS	24	MAR 03	Updates in PATDPA; addition of IPC 8 data without attributes
NEWS	25	MAR 08	X.25 communication option no longer available after June 2006
NEWS EXPRESS	FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005. V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT http://download.cas.org/express/v8.0-Discover/		
NEWS HOURS	STN Operating Hours Plus Help Desk Availability		
NEWS INTER	General Internet Information		
NEWS LOGIN	Welcome Banner and News Items		
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN		
NEWS WWW	CAS World Wide Web Site (general information)		

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 12:11:47 ON 15 MAR 2006

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.42

0.42

FILE 'REGISTRY' ENTERED AT 12:13:00 ON 15 MAR 2006

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2006 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 14 MAR 2006 HIGHEST RN 876856-38-1

DICTIONARY FILE UPDATES: 14 MAR 2006 HIGHEST RN 876856-38-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

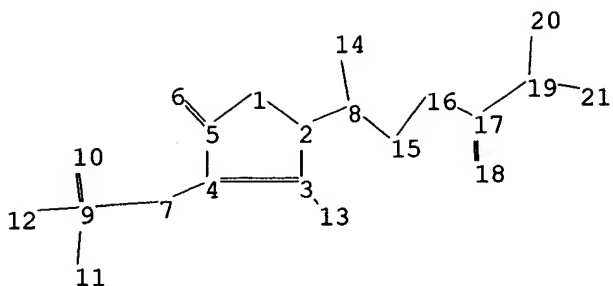
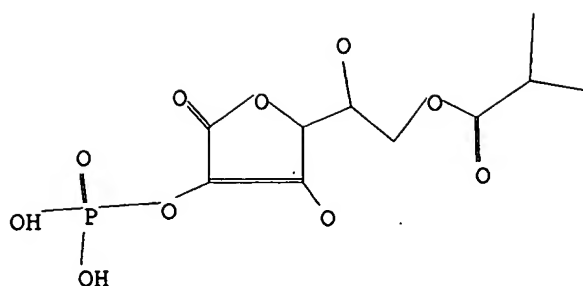
Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10510756.str



chain nodes :
 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21
 ring nodes :
 1 2 3 4 5
 chain bonds :
 2-8 3-13 4-7 5-6 7-9 8-14 8-15 9-10 9-11 9-12 15-16 16-17 17-18 17-19
 19-20 19-21
 ring bonds :
 1-2 1-5 2-3 3-4 4-5
 exact/norm bonds :
 3-13 4-7 5-6 7-9 8-14 15-16 16-17 17-18
 exact bonds :
 1-2 1-5 2-3 2-8 3-4 4-5 8-15 17-19 19-20 19-21
 normalized bonds :
 9-10 9-11 9-12
 isolated ring systems :
 containing 1 :

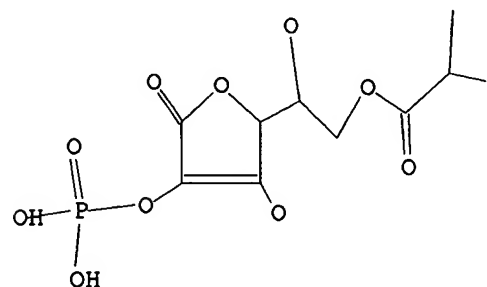
Match level :
 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS
 10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS
 18:CLASS 19:CLASS 20:CLASS 21:CLASS

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 12:13:30 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 26 TO ITERATE

```
100.0% PROCESSED          26 ITERATIONS                      1 ANSWERS
SEARCH TIME: 00.00.01
```

```

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH    **COMPLETE**
PROJECTED ITERATIONS:   215 TO      825
PROJECTED ANSWERS:      1  TO      80

```

L2 1 SEA SSS SAM L1

```
=> s ll full
FULL SEARCH INITIATED 12:13:37 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      445 TO ITERATE
```

```
100.0% PROCESSED      445 ITERATIONS      8 ANSWERS
SEARCH TIME: 00.00.01
```

L3 8 SEA SSS FUL L1

=> file caplus		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	166.94	167.36

FILE 'CAPLUS' ENTERED AT 12:13:44 ON 15 MAR 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 15 Mar 2006 VOL 144 ISS 12
FILE LAST UPDATED: 14 Mar 2006 (20060314/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

```
=> s l3 full
L4          8 L3
```

```
=> d ibib abs hitstr 1-8
```

L4 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:1171128 CAPLUS
DOCUMENT NUMBER: 143:446204
TITLE: Agent for skin external use containing tocopherol and
ascorbic acid esters and surface active agent having
lipopeptide structure
INVENTOR(S): Kato, Eiko; Tsuzuki, Toshi; Ogata, Eiji
PATENT ASSIGNEE(S): Showa Denko K.K., Japan
SOURCE: PCT Int. Appl., 105 pp.

CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005102267	A1	20051103	WO 2005-JP7758	20050419
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
JP 2005336171	A2	20051208	JP 2005-128105	20050426
PRIORITY APPLN. INFO.:			JP 2004-130205	A 20040426
			US 2004-567528P	P 20040504

OTHER SOURCE(S): MARPAT 143:446204

AB The agent for skin external use of the present invention contains (A) tocopherol glycine esters, (B) ascorbic acid-2-phosphoric acid esters and a specific amount of (C) an anionic surface active agent having a lipopeptide structure. According to the agent for skin external use (including a cosmetic), it is possible to enhance stability of the tocopherol glycine esters in spite that the tocopherol glycine esters and the ascorbic acids are contained simultaneously, so that occurrence of coloring (including turbidity) and/or precipitation with time can be prevented. Therefore, efficacy and effects of the agent or the cosmetic can be well exerted over a long period of time.

IT 614752-31-7

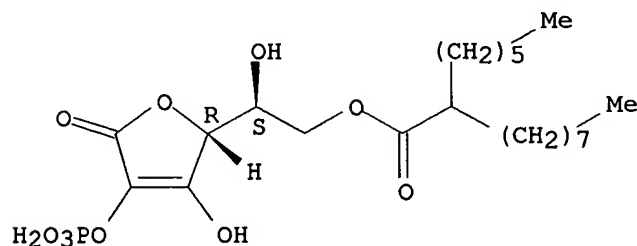
RL: COS (Cosmetic use); PRP (Properties); BIOL (Biological study); USES (Uses)

(external skin agent containing tocopherol and ascorbic acid esters and surface active agent having lipopeptide structure)

RN 614752-31-7 CAPLUS

CN L-Ascorbic acid, 2-(dihydrogen phosphate) 6-(2-hexyldecanoate), sodium salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.



●x Na

REFERENCE COUNT:

6

THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2005:632278 CAPLUS
 DOCUMENT NUMBER: 143:139181
 TITLE: Oral and injection compositions containing vitamin C derivatives, antitumor polysaccharides, and antioxidants, and manufacture thereof
 INVENTOR(S): Iida, Shigeo
 PATENT ASSIGNEE(S): Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 14 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2005194255	A2	20050721	JP 2004-28651	20040106
PRIORITY APPLN. INFO.:			JP 2004-28651	20040106

AB The invention relates to an oral and/or injection composition for treatment and/or prevention of various disease including tumor, wherein the composition is characterized by containing a bound compound of a vitamin C derivative, an antitumor polysaccharide, and an antioxidant. A method for manufacturing the composition including freeze-drying and/or spray-drying of the mixture of the components is also disclosed. For example, a mixture containing ascorbic acid 40, L-ascorbic acid-2-O-phosphate sodium salt 7, 6-O-palmitoyl-L-ascorbic acid 3, Agaricus blazei extract 16, Phellinus linteus 16, fucoidan 16, and marine taurine 2 parts was freeze-dried. The obtained freeze-dried composition was injected to mice to examine the antitumor effect.

IT 721404-04-2

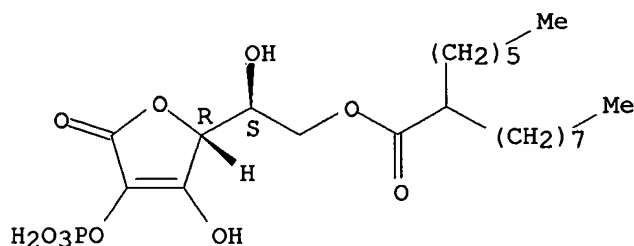
RL: PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)

(oral and injection compns. containing vitamin C derivs., polysaccharides, and antioxidants, and manufacture thereof)

RN 721404-04-2 CAPLUS

CN L-Ascorbic acid, 2-(dihydrogen phosphate) 6-(2-hexyldecanoate) (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2005:611017 CAPLUS
 DOCUMENT NUMBER: 143:120085
 TITLE: Skin compositions containing ascorbic acid phosphate higher fatty acid ester salt and water-soluble polymers, and method for stabilizing the ascorbic acid derivatives
 INVENTOR(S): Kato, Utako; Yoneda, Tadashi; Ogata, Eiji
 PATENT ASSIGNEE(S): Showa Denko K. K., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 23 pp.

DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2005187466	A2	20050714	JP 2004-352913	20041206
PRIORITY APPLN. INFO.:			JP 2003-406377	A 20031204

OTHER SOURCE(S): MARPAT 143:120085

AB The invention relates to a skin composition characterized by containing ascorbic

acid-2-phosphate higher fatty acid ester salt and water-soluble polymer, and water, wherein the composition has improved storage stability of the ascorbic acid derivative A method for stabilizing the ascorbic acid derivative by using a composition containing water-soluble polymer and water is also disclosed. For example, a composition containing ascorbic acid-2-phosphate-6-palmitate sodium salt

1, concentrate glycerin 17.5, carbomer 0.55, sodium polyacrylate 0.2, 1,3-butylene glycol 2.5, Me paraben 0.05, and water balance to 100 % was formulated.

IT 614752-31-7

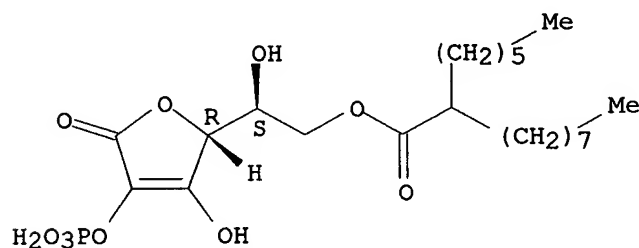
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(skin comps. containing ascorbic acid phosphate higher fatty acid ester salt and water-soluble polymers, and method for stabilizing ascorbic acid derivs.)

RN 614752-31-7 CAPLUS

CN L-Ascorbic acid, 2-(dihydrogen phosphate) 6-(2-hexyldecanoate), sodium salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.



●x Na

L4 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:608949 CAPLUS

DOCUMENT NUMBER: 143:120080

TITLE: Emulsified skin compositions containing ascorbic acid phosphate higher fatty acid ester salt with specified ingredients, and manufacture thereof

INVENTOR(S): Kato, Utako; Yoneda, Tadashi; Ogata, Eiichi

PATENT ASSIGNEE(S): Showa Denko K. K., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 24 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2005187465	A2	20050714	JP 2004-352912	20041206
PRIORITY APPLN. INFO.:			JP 2003-406376	A 20031204

OTHER SOURCE(S): MARPAT 143:120080

AB The invention relates to an emulsified skin composition characterized by containing

ascorbic acid-2-phosphate higher fatty acid ester salt, an oily component, a surfactant, water, and a higher alc., wherein the composition has improved storage stability of the ascorbic acid derivative A method for manufacturing

the

composition is also disclosed. For example, an emulsified composition

containing

ascorbic acid-2-phosphate-6-palmitate sodium salt 1, behenyl alc. 2.4, 2-octyldodecanol 2.4, algae colloid 0.1, xanthan gum 0.2, sodium hyaluronate 0.05, dextrin palmitate 2.4, decaglyceryl monostearate 12, dimethicone 2.4, squalane 4.8, isononyl isononanoate 2.4, trioctanoin 2.4, 1,3-butylene glycol 2.4, concentrate glycerin 4.8, stearyl glycyrrhetinate 0.1, tocopherol 0.2, Me paraben 0.1, Pr paraben 0.05, sodium citrate 0.4, NaCl 0.8, and water balance to 100 % was formulated.

IT 614752-31-7

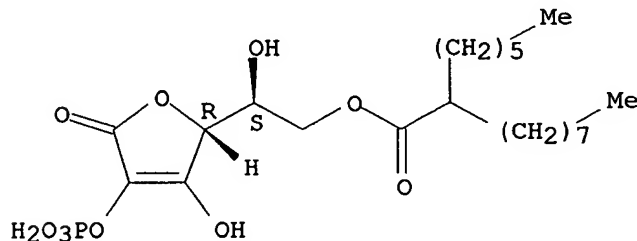
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)

(emulsified skin compns. containing ascorbic acid phosphate higher fatty acid ester salt with specified ingredients, and manufacture thereof)

RN 614752-31-7 CAPLUS

CN L-Ascorbic acid, 2-(dihydrogen phosphate) 6-(2-hexyldecanoate), sodium salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● x . Na

L4 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:346826 CAPLUS

DOCUMENT NUMBER: 142:397291

TITLE: Skin cosmetic formulations containing ascorbate

INVENTOR(S): Kato, Eiko; Yoneda, Tadashi; Ogata, Eiji

PATENT ASSIGNEE(S): Showa Denko K.K., Japan

SOURCE: PCT Int. Appl., 68 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
------------	------	------	-----------------	------

WO 2005034903 A1 20050421 WO 2004-JP15457 20041013
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK,
LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO,
NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ,
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
SN, TD, TG

JP 2005336156 A2 20051208 JP 2004-300344 20041014
PRIORITY APPLN. INFO.: JP 2003-353669 A 20031014
US 2003-512857P P 20031022
JP 2004-130206 A 20040426
US 2004-567527P P 20040504

OTHER SOURCE(S): MARPAT 142:397291

AB An agent for skin external use of the invention contains a salt of higher fatty acid ester of ascorbic acid-2-phosphoric acid ester and a polyhydric alc. According to the present invention, occurrence of turbidity or precipitation

with time can be prevented to enhance stability even when the agent for skin external use is prepared using a specific salt of higher fatty acid ester of ascorbic acid-2-phosphoric acid ester. Therefore, the present invention is useful for all agents for skin external use, particularly cosmetics. Thus, a formulation contained ascorbic acid-2-phosphoric acid 6-palmitic acid sodium salt 2, citric acid 0.08, glycerin 5, methylparaben 0.1, and water qs to 100%.

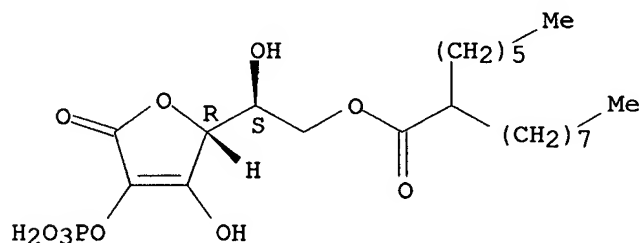
IT 614752-31-7 721404-04-2

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(skin cosmetic formulations containing ascorbate)

RN 614752-31-7 CAPLUS

CN L-Ascorbic acid, 2-(dihydrogen phosphate) 6-(2-hexyldecanoate), sodium salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.

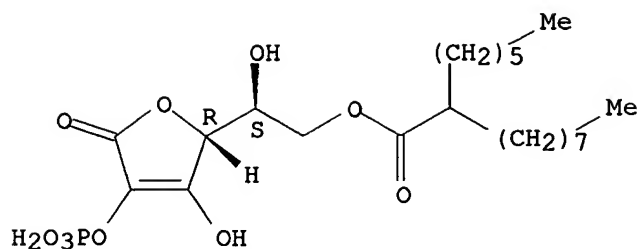


● x Na

RN 721404-04-2 CAPLUS

CN L-Ascorbic acid, 2-(dihydrogen phosphate) 6-(2-hexyldecanoate) (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2004:568597 CAPLUS
 DOCUMENT NUMBER: 141:111601
 TITLE: Topical antiinflammatory compositions containing provitamin C for livestock and pets
 INVENTOR(S): Sanba, Nobuhiko; Ito, Shinobu
 PATENT ASSIGNEE(S): Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 18 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004196758	A2	20040715	JP 2002-383323	20021216
PRIORITY APPLN. INFO.:			JP 2002-383323	20021216

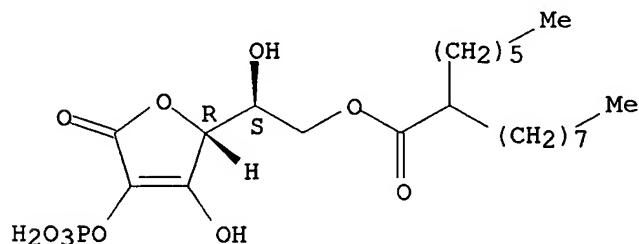
AB Topical compns. for prevention and treatment of inflammation in livestock and pets, e.g. mastitis in dairy cow, etc., contain provitamin C as main ingredients and optionally ≥ 1 oils selected from orange oils, beaver oil, olive oil, and pine oil. Dipping of teats of dairy cows in an aqueous solution containing 2,3,5,6,-O-tetra(2'-hexyldecanoyl)-L-ascorbic acid, 6-O-(2'-hexyldecanoyl)-L-ascorbic acid-2-O-phosphate, and 6-O-palmitoyl-L-ascorbic acid-2-O-phosphate after milking (twice a day) significantly prevented mastitis.

IT **721404-04-2**
 RL: AGR (Agricultural use); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (topical antiinflammatory compns. containing provitamin C for livestock and pets, especially for mastitis of dairy cows)

RN 721404-04-2 CAPLUS

CN L-Ascorbic acid, 2-(dihydrogen phosphate) 6-(2-hexyldecanoate) (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L4 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:836839 CAPLUS
DOCUMENT NUMBER: 139:328370
TITLE: Stabilized ascorbic acid derivatives
INVENTOR(S): Nishimura, Norihito; Ishii, Hiroshi; Saito, Makoto
PATENT ASSIGNEE(S): Showa Denko K. K., Japan
SOURCE: PCT Int. Appl., 59 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003086384	A1	20031023	WO 2003-JP4659	20030411
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
JP 2004002359	A2	20040108	JP 2003-96750	20030331
CA 2481591	AA	20031023	CA 2003-2481591	20030411
AU 2003222450	A1	20031027	AU 2003-222450	20030411
EP 1496889	A1	20050119	EP 2003-717570	20030411
EP 1496889	B1	20050817		
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
AT 302001	E	20050915	AT 2003-717570	20030411
ES 2243901	T3	20051201	ES 2003-3717570	20030411
PRIORITY APPLN. INFO.:			JP 2002-110341	A 20020412
			US 2002-373609P	P 20020419
			WO 2003-JP4659	W 20030411

OTHER SOURCE(S): MARPAT 139:328370

AB Ascorbic acid phosphate alkanoate esters are described. E.g., L-ascorbic acid 2-phosphate 6-(2-hexyldecanoate) sodium salt was prepared and topical pharmaceuticals were formulated.

IT 614752-31-7P 614752-32-8P

RL: PRP (Properties); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(stabilized ascorbic acid derivs.)

RN 614752-31-7 CAPLUS

CN L-Ascorbic acid, 2-(dihydrogen phosphate) 6-(2-hexyldecanoate), sodium salt (9CI) (CA INDEX NAME)

Absolute stereochemistry.

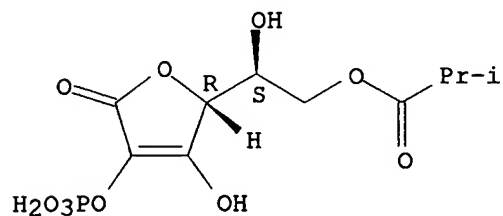
(instructed application)

 $\bullet_x \text{Na}$

AB	Cosmetics contain 6-O-acylascorbic acid phosphoric acid ester salts. These cosmetics are stable and good skin conditioners. Thus, a cream was prepared consisting of 6-O-butylascorbic acid 2-phosphate Na salt 4, squalane 25, microcryst. wax 5, olive oil 3, xanthan gum 1, monoammonium glycyrrhizinate 0.3, methylparaben 0.2, perfume q.s., and H2O 61.5% by weight
----	---

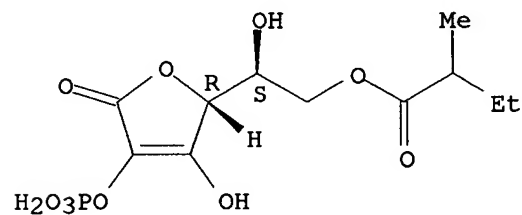
IT 102914-55-6D, salts 102914-60-3D, salts
 102914-61-4D, salts
 RL: BIOL (Biological study)
 (cosmetics containing)
 RN 102914-55-6 CAPLUS
 CN L-Ascorbic acid, 2-(dihydrogen phosphate) 6-(2-methylpropanoate) (9CI)
 (CA INDEX NAME)

Absolute stereochemistry.



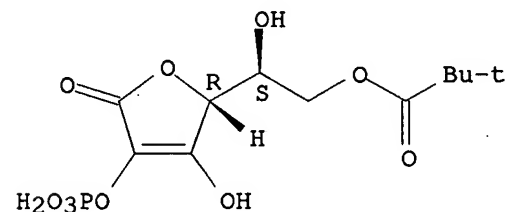
RN 102914-60-3 CAPLUS
 CN L-Ascorbic acid, 2-(dihydrogen phosphate) 6-(2-methylbutanoate) (9CI) (CA
 INDEX NAME)

Absolute stereochemistry.



RN 102914-61-4 CAPLUS
 CN L-Ascorbic acid, 2-(dihydrogen phosphate) 6-(2,2-dimethylpropanoate) (9CI)
 (CA INDEX NAME)

Absolute stereochemistry.



=> d his

(FILE 'HOME' ENTERED AT 12:11:47 ON 15 MAR 2006)

FILE 'REGISTRY' ENTERED AT 12:13:00 ON 15 MAR 2006

L1 STRUCTURE UPLOADED
 L2 1 S L1
 L3 8 S L1 FULL

FILE 'CAPLUS' ENTERED AT 12:13:44 ON 15 MAR 2006

L4 8 S L3 FULL

=> log y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	41.34	208.70
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-6.00	-6.00

STN INTERNATIONAL LOGOFF AT 12:14:31 ON 15 MAR 2006